Intellectual Property Administration O. Box 272400

Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 10971278-3

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

inventor(s):

Richard B. Zeng

Confirmation No.:

Application No.: 10/627.279

Examiner:

Filing Date:

July 25, 2003

Group Art Unit:

Title:

NDV 1 7 2003

THUNEMAR

LINEAR SUMMATION MULTIPLIER ARRAY IMPLEMENTATION FOR BOTH SIGNED AND

UNSIGNED MULTIPLICATION

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

under 37 CFR 1.97(b), or (Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

() under 37 CFR 1.97 (c) together with either a:

() Statement under 37 CFR 1.97(e), or

() a \$180.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

() under 37 CFR 1.97 (d) together with a:

() Statement under 37 CFR 1.97(e)(1) or (2), and

() a \$180.00 fee set forth in 37 CFR 1.17(p). (Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of <u>\$0.00</u> . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

(X) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: Nov. 12, 2003

() I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number

Number of pages:

Typed Name: John Pallivathukal

Signature:

Respectfully submitted,

Richard B. Zeng

Jody C. Bishop

Attorney/Agent for Applicant(s)

Reg. No. 44,034

Date: Nov. 12, 2003

Telephone No.: (214) 855-8007

PATENT APPLICATION

Sheet 1 of 2

FORM PTO-1449	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION	NO
	10971278-3	10/627,279		
O PE LIST OF PATENTS AND PUBLICATIONS FOR	APPLICANT		· · · · · · · · · · · · · · · · · · ·	
APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Richard B. Zeng			
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1L	EP0318957 A2	06-07-1989	Fujitsu Limited		
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	1Q	United Kingdom Search Report for applicat	tion No. GB 0104187.0, December 3, 2001
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2L			···		
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	2Q	NAYAK, S.S. et al., "High Throughput VLSI Implementation of Discrete Orthogonal Transforms Using Bit-Level Vector-Matrix Multiplier", May 1999, IEEE Transactions on Circuits and Systems-II: Analog and Digital Signal Processing, Vol. 46 No. 5, page 655-658.				
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